



03/25/13

Technical Report for

Anderson, Mulholland & Associates

BMSMC, Building 5 Area, PR

SM04.00.06

Accutest Job Number: JB30345

Sampling Date: 03/02/13

Report to:

Anderson, Mulholland & Associates

ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: 12



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Summary of Hits 5

Section 4: Sample Results 6

4.1: JB30345-1: AREAD-15 BOT 7

Section 5: Misc. Forms 8

5.1: Chain of Custody 9



Sample Summary

Anderson, Mulholland & Associates

Job No: JB30345

BMSMC, Building 5 Area, PR
Project No: SM04.00.06

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB30345-1	03/02/13	12:15 NMR	03/05/13	SO	Soil	AREAD-15 BOT

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Anderson, Mulholland & Associates

Job No JB30345

Site: BMSMC, Building 5 Area, PR

Report Date 3/19/2013 3:48:32 PM

On 03/05/2013, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB30345 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VA7250

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30917-2MS, JB30917-2MSD were used as the QC samples indicated.

Wet Chemistry By Method SM2540 G-97

Matrix: SO

Batch ID: GN81473

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Page 1 of 1

Job Number: JB30345
Account: Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Collected: 03/02/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JB30345-1 **AREAD-15 BOT**

Acetone	66.1	12	2.0	ug/kg	SW846 8260B
Benzene	0.78 J	1.2	0.14	ug/kg	SW846 8260B
Ethylbenzene	3.3	1.2	0.31	ug/kg	SW846 8260B
4-Methyl-2-pentanone(MIBK)	42.9	5.9	0.88	ug/kg	SW846 8260B
Xylene (total)	11.8	1.2	0.16	ug/kg	SW846 8260B

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	AREAD-15 BOT	Date Sampled:	03/02/13
Lab Sample ID:	JB30345-1	Date Received:	03/05/13
Matrix:	SO - Soil	Percent Solids:	80.4
Method:	SW846 8260B SW846 5035		
Project:	BMSMC, Building 5 Area, PR		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A192525.D	1	03/12/13	OTR	03/05/13 13:00	n/a	VA7250
Run #2							

Run #	Initial Weight
Run #1	5.3 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	66.1	12	2.0	ug/kg	J
71-43-2	Benzene	0.78	1.2	0.14	ug/kg	
100-41-4	Ethylbenzene	3.3	1.2	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	42.9	5.9	0.88	ug/kg	
108-88-3	Toluene	ND	1.2	0.12	ug/kg	
1330-20-7	Xylene (total)	11.8	1.2	0.16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-122%
2037-26-5	Toluene-D8	109%		81-127%
460-00-4	4-Bromofluorobenzene	108%		66-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



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PAGE 1 OF 1

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Page 1 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB30345	Client: AMAI	Project: BMS BUILDING 5 AREA D ICM
Date / Time Received: 3/5/2013 1000	Delivery Method: FedEx	Airbill #s: 7948 8491 0025

Cooler Temps (Initial/Adjusted): #1: (2.5/2.5): 0

Cooler Security
Y or N
Y or N

- | | |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/> | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

Cooler Temperature
Y or N

- | | |
|-----------------------------------------------------------------------------------------|--|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 2. Cooler temp verification: _____ | |
| 3. Cooler media: _____ | |
| 4. No, Coolers _____ | |

Quality Control Preservation
Y
N
N/A

- | | |
|---------------------------------------------------------------------------------------------|-----|
| 1. Trip Blank present / cooler: <input type="checkbox"/> <input type="checkbox"/> | N/A |
| 2. Trip Blank listed on COC: <input type="checkbox"/> <input type="checkbox"/> | N/A |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 4. VOCs headspace free: <input type="checkbox"/> <input type="checkbox"/> | |

Sample Integrity - Documentation
Y or N

- | | |
|-----------------------------------------------------------------------------------------------------|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <input type="checkbox"/> | |

Sample Integrity - Condition
Y or N

- | | |
|-----------------------------------------------------------------------------------------------|--------|
| 1. Sample recvd within HT: <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions
Y
N
N/A

- | | |
|---------------------------------------------------------------------------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <input type="checkbox"/> | N/A |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 4. Compositing instructions clear: <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments: Encores received out of hold.

Accutest Job Number: JB30345

CSR: Michelle

Response Date: 3/5/2013

Response: Please proceed as noted per Terry Taylor

5.1

5

JB30345: Chain of Custody
Page 3 of 4

Job Change Order: JB30345_3_15_2013

Requested Date:	3/15/2013	Received Date:	3/5/2013
Account Name:	Anderson, Mulholland &	Due Date:	3/19/2013
Project	BMSMC, Building 5 Area, PR	Deliverable:	FULT1
CSR:	michello	TAT (Days):	14

=====

Sample #: JB30345-All
Dept:
Dept:

Change:
Please relog for D8015IPA & DGC+METH. OK to
run out of hold time.

=====

Above Changes Per: Terry Taylor Date: 3/15/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1